

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1139	(distribut\$ or split\$ or coupl\$) with (power or signal) with (correspond\$ or according or based or relate\$) with (attenuation or loss)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 11:27
L2	370	I1 and fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 08:37
L3	338	I2 and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 09:49
L4	61	I3 and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 08:37
L5	26	I3 and (splitting or coupling) ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 09:51
L6	23	I5 not I4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 10:09
L9	8	("20010024542" or "6577652" or "6081633" or "5493304").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 10:29
L11	4	I9 and (distribut\$ or split\$ or coupl\$) with (power or signal) with (correspond\$ or according or based or relate\$) with (attenuation or loss)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 10:48
L12	12	((unbalanced or asymmetrical or unsymmetrical) (splitting or coupling or branch) ratio ) and optical and fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 10:50

## EAST Search History

L13	5	("4778239"   "4784453"   "5095514"   "5345522"   "5365359").PN. OR ("6081633").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/17 10:57
L14	2	"5572611".pn. and (coupling or splitting or branch)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 11:26
L15	1	variable (distribut\$ or split\$ or coupl\$) with (power or signal) with (correspond\$ or according or based or relate\$) with (attenuation or loss)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 11:29
L16	612	(variable or adjustable) (distribut\$ or split\$ or coupl\$) and optical and fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 11:31
L17	57	(variable or adjustable) (distribut\$ or split\$ or coupl\$) ratio and optical and fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 13:30
L18	0	("2005/0201749").URPN.	USPAT	ADJ	ON	2006/08/17 11:36
L19	1	"6351582".pn. and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 13:37
L20	1	"6351582".pn. and (multiplex\$ or wdm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 13:49
L21	2	"7031608".pn. and (coupler or splitter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 14:17
L22	1	"20010024542".pn. and (coupl\$ or split\$) with (loss or attenuation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 14:24
L23	2	"20030156845".pn. and (coupl\$ or split\$) with (loss or attenuation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 14:43

## EAST Search History

L24	31	(persson with ulf).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 14:43
L25	17	(persson with ulf).in. and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 14:52
L26	2	"5396357".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 14:49
L27	8	"1143646".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/17 14:52
S1	9	optical (transmitter or receiver or tansceiver) same (asymmetr\$ (split\$ or coupl\$ or branch\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 08:53
S2	9	optical (transmitter or receiver or tansceiver) same ((asymmetr\$ or unsymmetr\$) (split\$ or coupl\$ or branch\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 08:54
S3	264	((transmitter or receiver or tansceiver) same (split\$ or coupl\$ or branch\$) same (asymmetr\$ or unsymmetr\$)) and optical and fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 10:42
S4	77	((transmitter or receiver or tansceiver) same (split\$ or coupl\$ or branch\$) same (asymmetr\$ or unsymmetr\$)) same optical same fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 08:56
S5	68	S4 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 08:56
S8	56	S3 and attenuation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 10:42

## EAST Search History

S9	36	S8 not S5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 11:24
S10	2	"20050249499".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 11:41
S11	6	(anderson with jon).in. and optical packet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 11:43
S12	1	("0333406").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2006/08/16 11:43
S13	5	wideband optical packet ring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 11:45
S14	32	("6785472" or "1063803" or "7031616" or "6351582" or "4784453" or "4775216" or "20030152072" or "7031608" or "20010050790" or "6312004" or "5917979" or "5319482" or "20050117830").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 11:49
S15	14	("6785472" or "1063803" or "7031616" or "6351582" or "4784453" or "4775216" or "20030152072" or "7031608" or "20010050790" or "6312004" or "5917979" or "5319482" or "20050117830").pn.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2006/08/16 13:42
S16	10	S15 and asymmetr\$	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2006/08/16 13:44
S17	15	(guild with kenneth).in.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2006/08/16 12:00
S18	1	"20030152072".pn. and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 14:29

## EAST Search History

S19	2	("6785472" or "1063803").pn. and (split\$ or coupl\$)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2006/08/16 13:42
S20	5	S16 and ring	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2006/08/16 13:51
S21	9	S15 and (loss or attenuation)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2006/08/16 13:58
S22	1	"6351582".pn. and (loss or attenuation) and asymmetr\$	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2006/08/16 18:52
S23	1	"20020131118".pn. and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 14:40
S24	1	"7031608".pn. and metro	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 14:42
S25	1	"7031608".pn. and protection	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 15:31
S26	2	"7031608".pn. and (split\$ or coupl\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 15:41
S27	0	"7031608".pn. and passive	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 15:42
S28	0	l15and passive	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 15:42
S29	4	S15 and passive	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 15:44

## EAST Search History

S30	6	passive optical network ring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 15:45
S31	97	passive optical network same ring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 15:47
S32	84	S31 and (split\$ or coupl\$ or branch\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 15:47
S33	7	S31 and (split\$ or coupl\$ or branch\$) ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 15:48
S34	0	("2005/0019031").URPN.	USPAT	ADJ	ON	2006/08/16 16:58
S35	2	"6351582".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/16 16:58
S36	8	("5608720"   "5717795"   "5778116"   "5796501"   "5864413"   "5886801").PN. OR ("6351582").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/16 17:10
S37	6	S36 and (split\$4 or coupl\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/16 17:45
S40	1	"6351582".pn. and protection	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2006/08/17 17:32
S41	1	(splitting or coupling) ratio with (self adjusting)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2006/08/16 19:28

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	5	((("6351582") or ("6321004") or ("0277746") or ("1063803")).PN.	US-PGPUB; USPAT; EPO	OR	OFF	2006/08/07 14:20
S4	8	"277746".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 13:42
S5	2	"20040037567".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 14:12
S6	1	"6351582".pn. and asymmetrical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 14:23
S7	5	wideband optical packet ring network	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 14:21
S8	0	S7 and asymmetr\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 14:27
S10	1	"6321004".pn. and asymmetr\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 14:31
S11	3665	asymmetr\$ with (splitting or coupling)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 16:48
S12	728	S11 and optical and (fiber or fibre)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 14:33
S13	652	S11 and (transceiver or transmitter or receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 14:33

## EAST Search History

S14	190	S13 and protect\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 14:36
S16	99	S14 and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 14:48
S17	191	S13 and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 14:50
S18	92	S17 not S16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 14:50
S19	3	asymmetrical (splitting or coupling) ratio and optical and fiber and network	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 16:50
S20	3	asymmetrical (splitting or coupling) ratio and optical and fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 16:50
S21	3	asymmetrical (splitting or coupling) ratio and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 16:50
S22	3	asymmetrical (splitting or coupling) ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 16:51
S23	27	asymmetr\$ (splitting or coupling or branching) ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 17:11
S24	27	S23 and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 16:52



## EAST Search History

S25	24	S24 and fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 16:52
S26	24	S24 and (fiber or fibre)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 16:53
S27	7	S25 and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 16:52
S28	433	asymmetr\$ (splitting or coupling or branching)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 17:12
S29	159	S28 and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 17:12
S30	69	S29 and (ring or loop)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 17:12
S31	60	S30 not S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 17:13
S32	48	S31 not S26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 17:39
S33	462	(398/1 or 398/2 or 398/3 or 398/4 or 398/5 or 398/7 or 398/59 or 398/135 or 398/139).icls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 17:44
S34	299	S33 and (splitting or coupling or branching or splitter or coupler)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 17:45

## EAST Search History

S35	153	S33 and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 17:46
S36	221	S33 and (ring or loop)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 17:46
S37	200	S36 and network	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 17:48
S38	199	S37 not S16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 17:48
S40	199	S38 not S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 17:48
S41	199	S40 not S32	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 19:11
S42	13	S41 and asymmetr\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/07 19:11
S43	3	"6931212"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/15 08:41
S44	11	"6690677"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/15 08:41
S45	1	"6690677".pn. and asymmetr\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/15 08:56

## EAST Search History

S46	4	asymmetr\$ power (splitting or coupling) and communication and fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/15 17:03
S47	30	asymmetr\$ (split\$ or coupl\$ or branch\$) ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/15 17:23
S48	996	asymmetr\$ (split\$ or coupl\$ or branch\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/15 17:24
S49	222	S48 and protect\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/15 17:24
S50	103	S49 and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/15 19:11
S59	213	(transmitter or receiver or transceiver) and (split\$ or coupl\$ or branch\$) and optical and ring and (path protected or protection path or protected path)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/15 19:20
S60	210	S59 not S50	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/15 19:47
S61	14	S60 and asymmetr\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/15 19:46
S63	196	S60 not S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/15 19:48
S64	79	S63 and ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/08/15 19:49

```

      ##      ##      #      #
      #      #      #      ###
      #      #      ###   ##   ##   #
      #      #      #      #      #
      #      #      #      #      #
      #      #      #      #      #
      #      #      #      #      #
      #      #      #      #      #
#####  #####  #####  ##  ##  #####

```

```

Job : 613
Date: 8/17/2006
Time: 5:50:16 PM

```